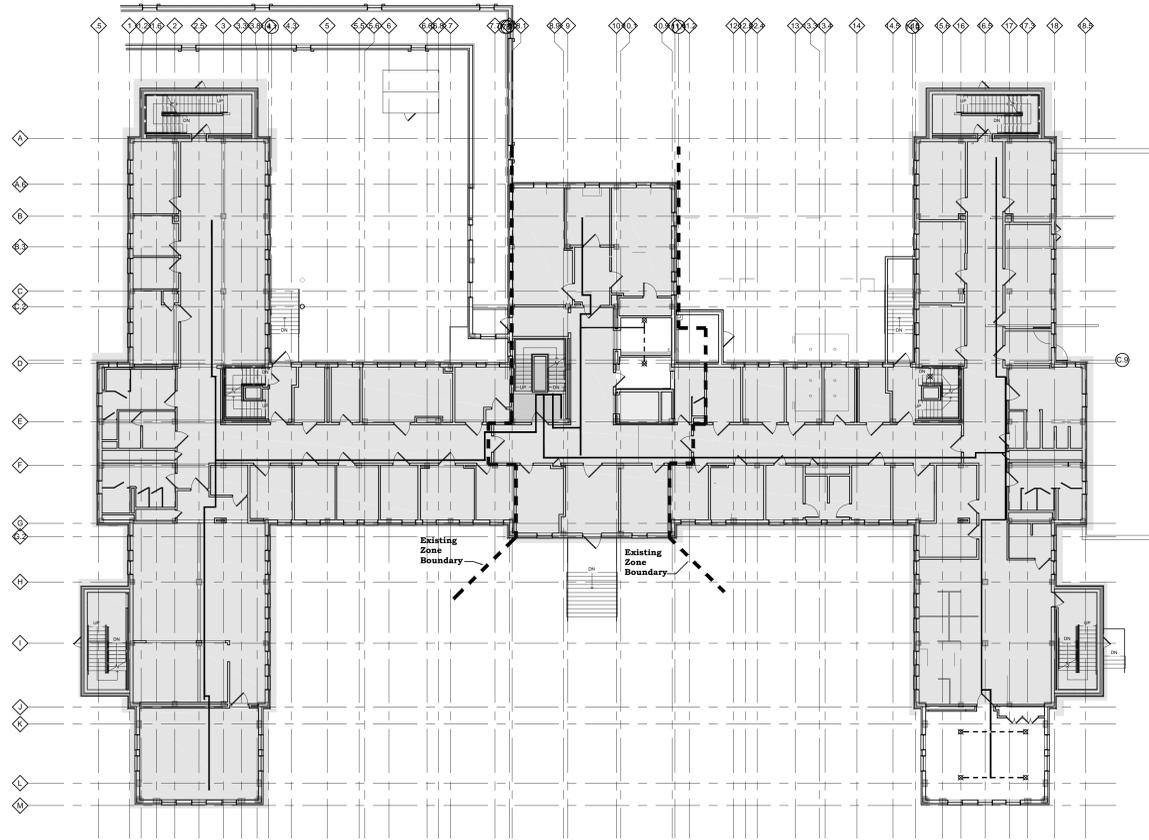
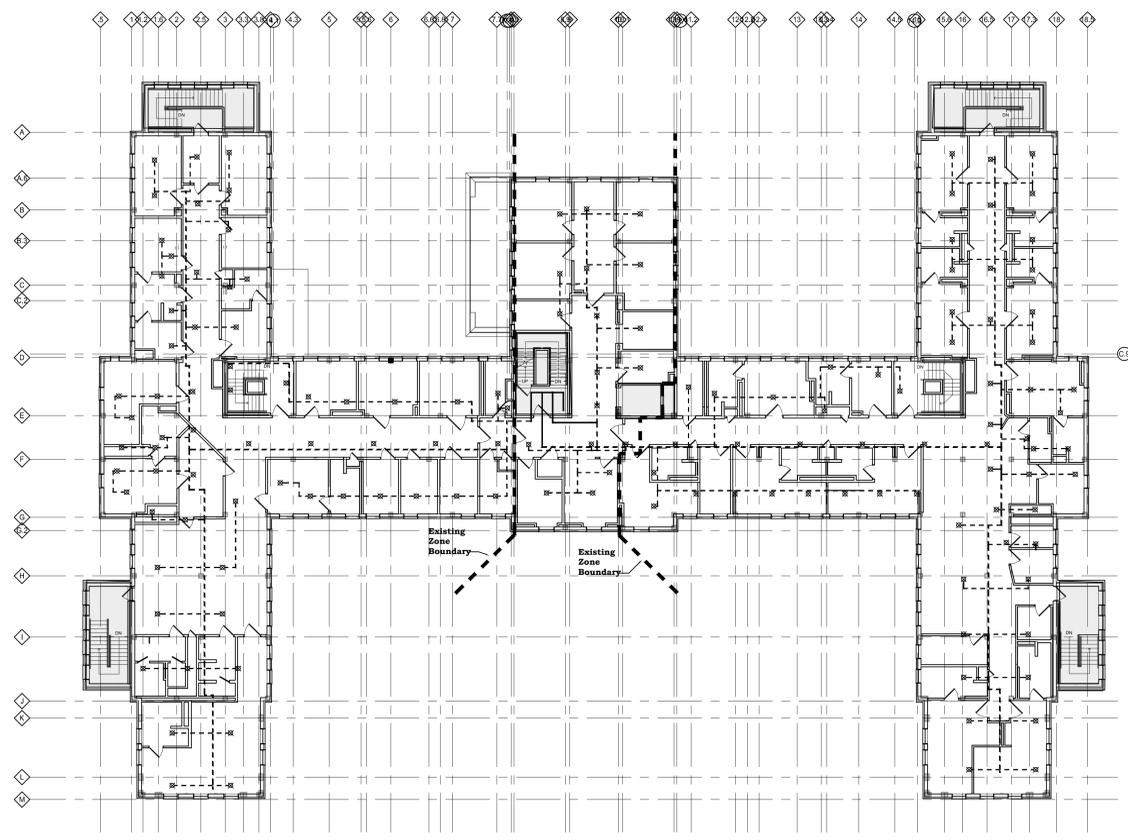


three eighths inch = one foot  
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 one quarter inch = one foot  
 three quarters inch = one foot  
 one inch = one foot  
 one and one half inches = one foot  
 three inches = one foot



**1 First Floor Fire Protection Demo Plan**  
 FD101 SCALE : 1/16" = 1'-0" North



**2 Second Floor Fire Protection Demo Plan**  
 FD101 SCALE : 1/16" = 1'-0" North

**SHEET INDEX**

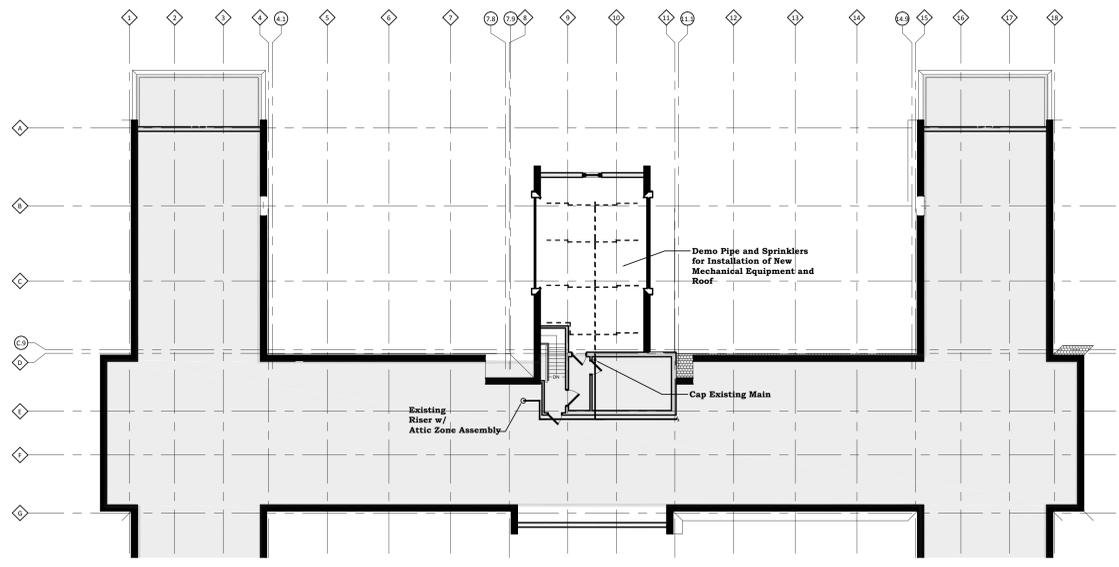
- FD101 Demo Fire Protection Plan First, Second Floors and Partial Attic Demo Plan
- F100 Basement Floor Fire Protection Plan
- F101 First Floor Fire Protection Plan
- F102 Second Floor Fire Protection Plan
- F103 Attic Fire Protection Plan
- F120 Link Fire Protection Plan

**Scope of Work:** Except in Areas noted as Existing to Remain AS-IS Demo All Existing Sprinklers and Demo Branchlines Sufficient to allow for Installation of New Pipe and New Sprinklers in Addition and Remodel Areas. Verify Existing Pipe Routing with Actual Field Conditions. Permanently Plug Any Outlet not used for the Installation of New Pipe. See Architectural Phasing Plan for Phasing Information.

**SYMBOL LEGEND**

- Existing Piping to Remain
- - - Existing Piping to be Removed
- ⊗ Existing Sprinkler to be Removed
- Existing to Remain AS-IS Except as Noted

- DIVISION 21 GENERAL NOTES:**
- The Division 21 Construction Notes on this Drawing also pertain to the Fire Protection Work indicated on any Additional Fire Protection Drawings included as part of this Document Set.
  - The Fire Protection Systems to be provided under this Contract shall comply with NFPA 13 (2010 Edition), NFPA 70 (2011 Edition), NFPA 72 (2012 Edition) and NFPA 101 (2012 Edition). The installation shall also comply with the VA Fire Protection Design Manual, 6th Edition, September 2011.
  - The Drawings and Specifications are considered to be Bid Documents and are not Design Documents. Confirmation of the Final Design (via Shop Drawings, Hydraulic Calculations, Product Submittals, etc.) is the sole responsibility of the Division 21 Contractor.
  - Provide Fire Protection System Modifications such that the Entire Building will be considered Sprinklered Throughout. The Fire Protection System installation shall include all Piping and Materials obviously necessary though not Specifically Mentioned or Shown. System Components shall include, but are not limited to: Distribution Piping, Branch Piping, Piping Supports, Sprinklers, Valves, etc. All Components shall be UL Listed and/or FM approved for Fire Service.
  - Division 21 Contractor shall provide Additional Sprinklers, Piping, Fittings, Hangers, etc.; if required by Code or the Authority Having Jurisdiction; to ensure a Fire Protection System Approved by the Authority Having Jurisdiction. This shall include, but not be limited to, any Additional Items due to Obstructions such as soffits, Vertical Partitions, Lighting, Ductwork and Ventilation Equipment.
  - All Sprinkler Piping shall be Supported in Accordance with NFPA 13, Chapter 9.
  - The Division 21 Contractor shall Closely Coordinate the installation of the Fire Protection Systems with Existing Conditions and all other Trades. Provide Alternate Pipe Routing, if necessary, to Eliminate Conflicts. Coordinate New Horizontal Piping Installed on Second Floor to Accommodate Installation of Ductwork and Cable Trays. Coordinate Piping Installation with Division 23 and Division 26.
  - Piping Penetrations through Fire-Rated Walls, Floors and Ceilings shall be provided with UL Listed Fire Penetrations Assemblies. Verify Fire-Rated Locations with Architectural Drawings.
  - Unless Noted Otherwise the Division 21 Contractor shall be Responsible for the Core Drilling, Cutting, Patch and Repair of all Surfaces Necessary for the Installation of Items Installed as part of the Division 21 Contract. Patch and Repair to Match Surrounding Surface.
  - All New Piping shall be Schedule 40 Black Steel with Threaded Fittings. Refer to Specifications for Additional Requirements.



**3 Attic Fire Protection Partial Demo Plan**  
 FD101 SCALE : 1/16" = 1'-0" North

**100% CD SET**

NO	REVISION	DATE

**St. Paul**  
 575 Minnehaha Avenue  
 St. Paul, MN 55103  
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 facsimile 651.251.1879  
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 facsimile 320.759.9062  
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STAMPED  
 I hereby certify that this plan was prepared under my direct supervision and that I am a duly licensed engineer under the laws of the State of Minnesota.  
 Lewis E. Anderson  
 LEWIS E. ANDERSON, PE REG. NO.  
 DATE: 12-20-2013

DRAWING TITLE  
 DEMO FIRE PROTECTION PLAN - FIRST, SECOND FLOORS AND PARTIAL ATTIC DEMO PLAN

PROJECT TITLE  
 RECONFIGURE/EXPAND BUILDINGS 28 & 9 FOR RESIDENTIAL REHABILITATION TREATMENT PROGRAM

DATE  
 12.20.13

PROF SCALE  
 AS NOTED

PROJECT NO.  
 656-12-339

BUILDING NO  
 28

CHECKED BY  
 LA

DRAWN BY  
 NB

CAD FILE

DRAWING NO.  
 FD101

LOCATION  
 ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303

**St. Cloud VA Health Care System**  
 Brainerd | Montevideo | Alexandria

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 one quarter inch = one foot  
 one half inch = one foot  
 three quarters inch = one foot  
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 two inches = one foot  
 three inches = one foot

**Scope of Work:**  
 Provide New Piping and New Sprinklers for Addition - to be tied-into Existing Mains as noted. Maintain Zone Boundaries as noted. All Sprinklers to be Quick Response. See AS700 for Ceiling Heights. See Architectural Phasing Plan for Phasing Information.

**SYMBOL LEGEND**

- Existing to Remain AS-IS, Except as Noted
- New SSU/SSP Quick Response Sprinkler
- New Quick Response Recessed Pendant Sprinkler
- New Piping
- Existing Piping

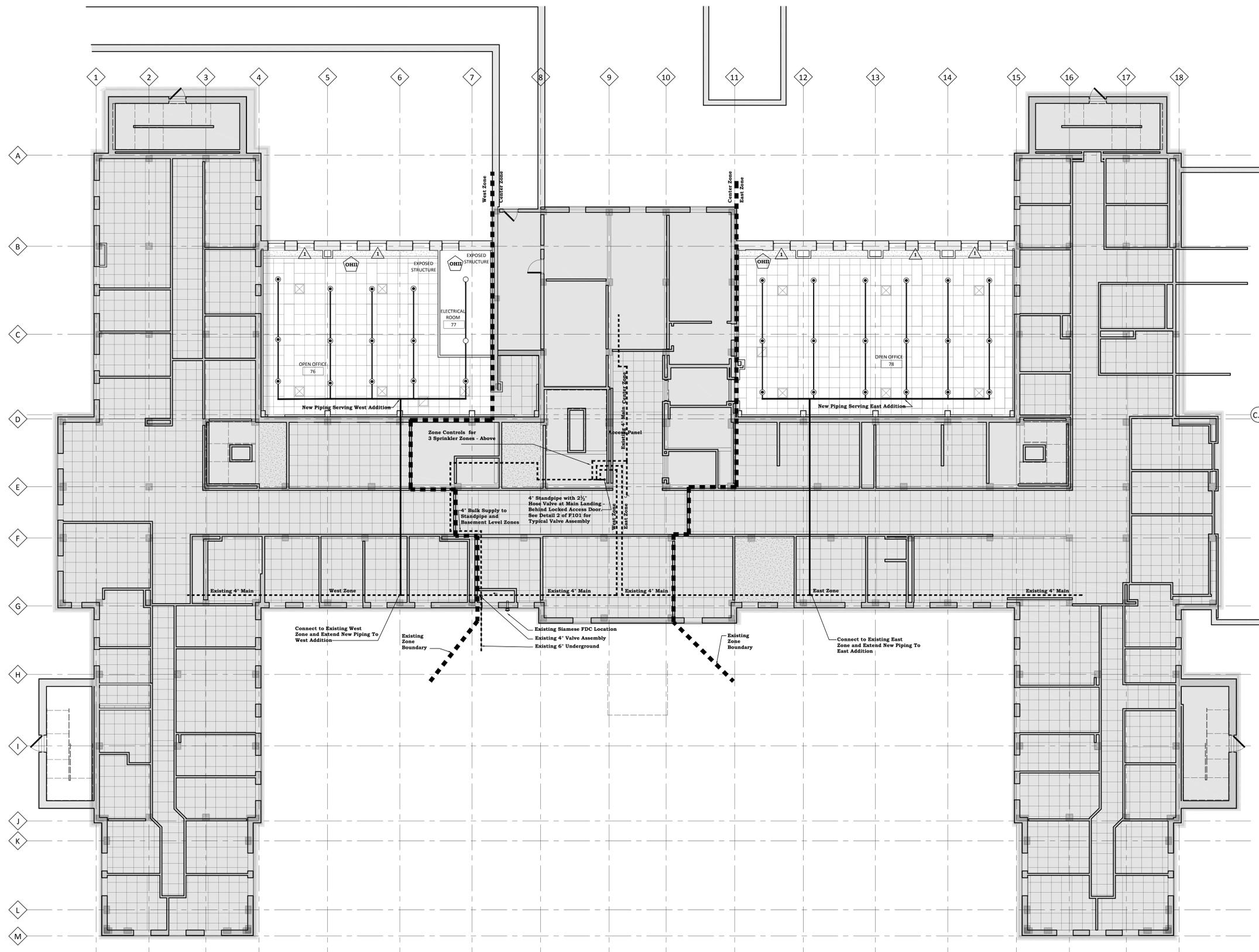
**SHEET F100 KEYED NOTES**

- Omit Sprinklers in Ceiling Pocket per NFPA 13, 2010 Edition, 6.6.7

**SPRINKLER HAZARD CLASSIFICATIONS**

- Light Hazard \*\*
- Ordinary Hazard Group 1
- Ordinary Hazard Group 2

\* Refer to Specification Section 211000 for Specific Requirements  
 \*\* Rooms without designation shall also be considered Light Hazard unless noted otherwise



**1** Basement Floor Fire Protection Plan  
**F100** SCALE: 1/8" = 1'-0"



**100% CD SET**

No	REVISION	DATE

**SUMMIT**  
 FIRE CONSULTING  
 CODES, FIRE, LIFE SAFETY

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 facsimile 320.759.9062  
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STAMP: LEWIS E. ANDERSON, PE REG. NO. MN 95515  
 DATE: 12-20-2013

DRAWING TITLE: BASEMENT FLOOR FIRE PROTECTION PLAN

PROJECT TITLE: RECONFIGURE/EXPAND BUILDINGS 28 & 9 FOR RESIDENTIAL REHABILITATION TREATMENT PROGRAM

DATE: 12.20.13  
 AS NOTED  
 PROJECT NO: 656-12-339

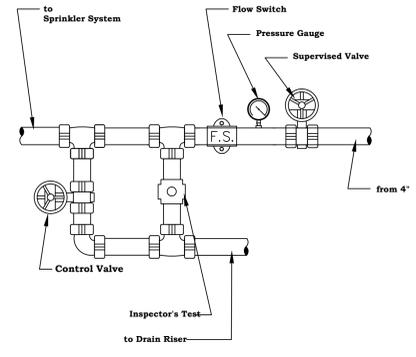
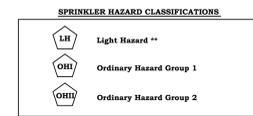
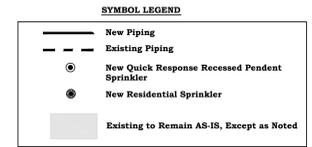
BUILDING NO: 28  
 CHECKED BY: LA  
 DRAWN BY: NB  
 CAD FILE: F100

LOCATION: ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303

**St. Cloud VA Health Care System**  
 Brainerd | Montevideo | Alexandria

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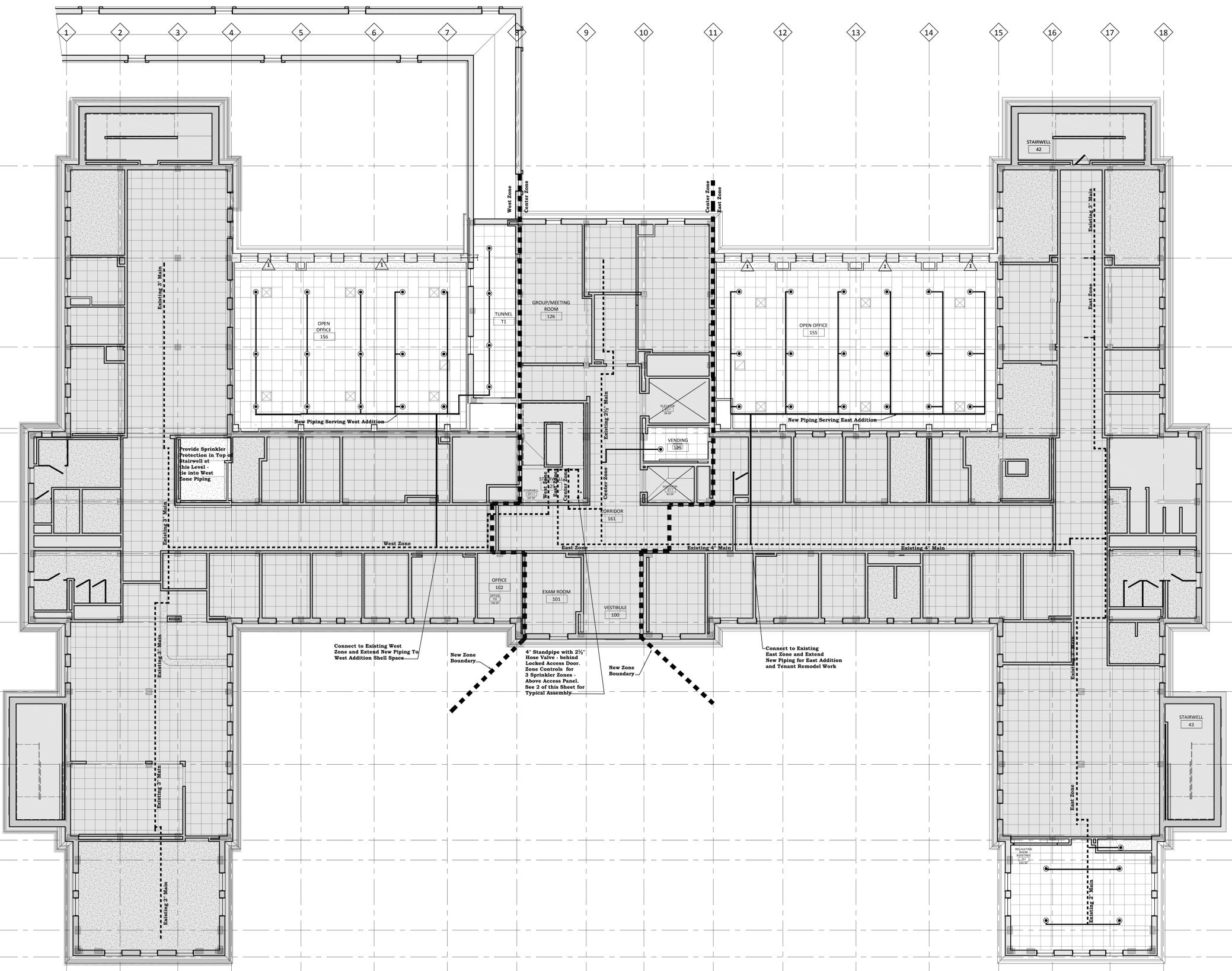
**Scope of Work:** Connect to Existing Piping and Install New Piping and New Sprinklers for Remodel Areas as Necessary. Provide New Piping for New Addition - to be tied-into Existing Mains as noted. Maintain Zone Boundaries as Noted. Final Sprinkler Locations to be determined based on Final RCP. See AS701 for Ceiling Heights. See Architectural Phasing Plan for Phasing Information.



\* NOTE: This Detail is provided for Reference Only. No Work at the Zone Assemblies is Anticipated

**2 Existing Zone Assembly F101 SCALE: No Scale**

**1 First Floor Fire Protection Plan F101 SCALE: 1/8" = 1'-0"**



No	REVISION	DATE

VA FORM 08-6231

**SUMMIT FIRE CONSULTING**  
 CODES, FIRE, LIFE SAFETY

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DESIGNED BY  
 LEWIS E. ANDERSON, PE  
 DATE: 12-20-2013

REG. NO.  
 MN 95515

DRAWING TITLE  
 FIRST FLOOR FIRE PROTECTION PLAN

PROJECT TITLE  
 RECONFIGURE/EXPAND BUILDINGS 28 & 9 FOR RESIDENTIAL REHABILITATION TREATMENT PROGRAM

DATE  
 12.20.13

PROJECT SCALE  
 AS NOTED

PROJECT NUMBER  
 656-12-339

BUILDING NO.  
 28

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CAD FILE

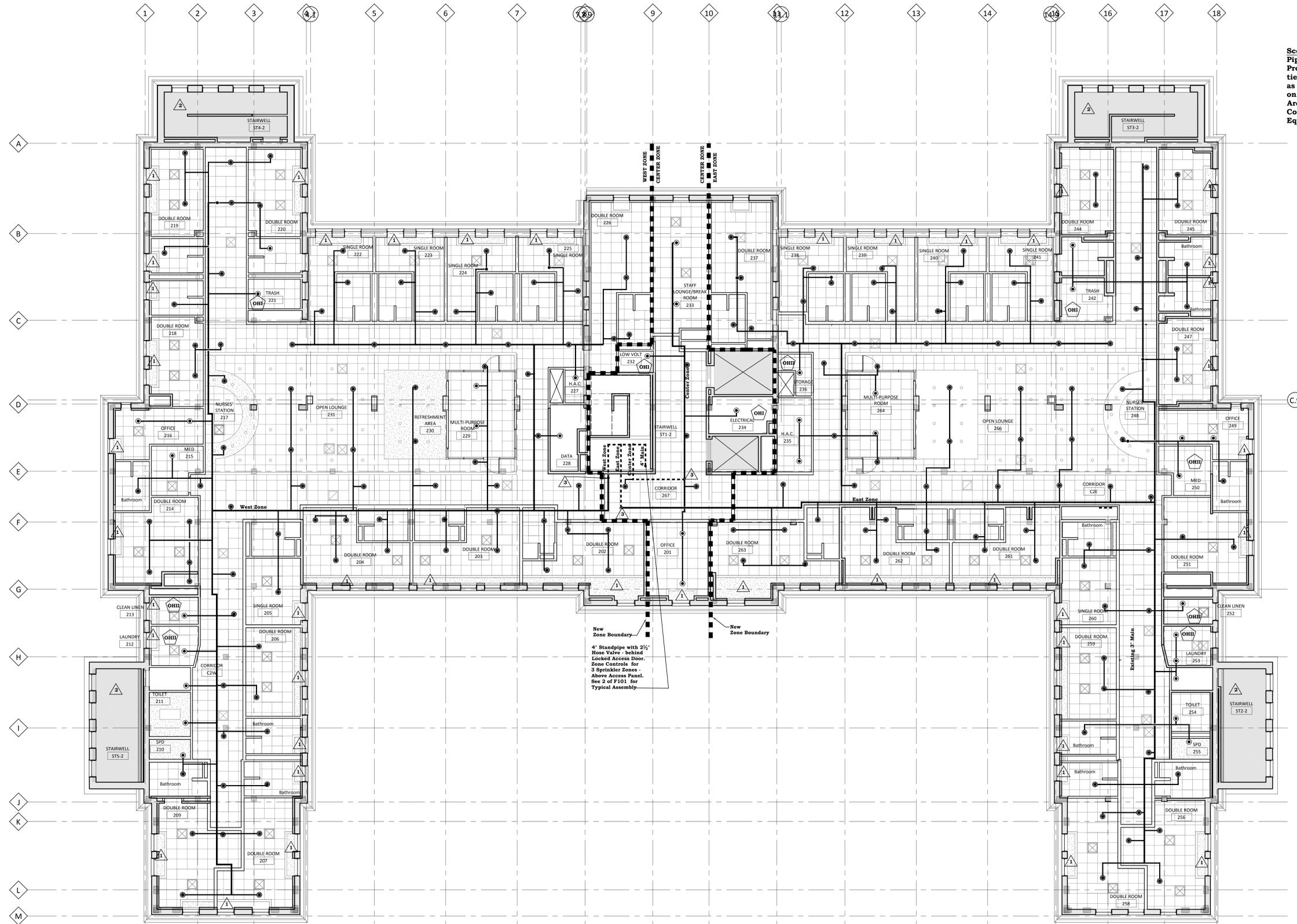
LOCATION  
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DRAWING NO.  
 F101

**St. Cloud VA Health Care System**  
 Brainerd | Montevideo | Alexandria

**100% CD SET**

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 seventy nine and one quarter inch = one foot  
 seventy nine and one half inch = one foot  
 seventy nine and three quarters inch = one foot  
 eighty inches = one foot  
 eighty and one eighth inch = one foot  
 eighty and one quarter inch = one foot  
 eighty and one half inch = one foot  
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 eighty three inches = one foot  
 eighty three and one eighth inch = one foot  
 eighty three and one quarter inch = one foot  
 eighty three and one half inch = one foot  
 eighty three and three quarters inch = one foot  
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 eighty four and one half inch = one foot  
 eighty four and three quarters inch = one foot  
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 eighty six and three quarters inch = one foot  
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 eighty seven and one half inch = one foot  
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 eighty eight and three quarters inch = one foot  
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 eighty nine and one quarter inch = one foot  
 eighty nine and one half inch = one foot  
 eighty nine and three quarters inch = one foot  
 ninety inches = one foot  
 ninety and one eighth inch = one foot  
 ninety and one quarter inch = one foot  
 ninety and one half inch = one foot  
 ninety and three quarters inch = one foot  
 ninety one inches = one foot  
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 ninety one and three quarters inch = one foot  
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 ninety two and one quarter inch = one foot  
 ninety two and one half inch = one foot  
 ninety two and three quarters inch = one foot  
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 ninety three and one quarter inch = one foot  
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 ninety three and three quarters inch = one foot  
 ninety four inches = one foot  
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 ninety four and one half inch = one foot  
 ninety four and three quarters inch = one foot  
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 ninety five and one quarter inch = one foot  
 ninety five and one half inch = one foot  
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 ninety six inches = one foot  
 ninety six and one eighth inch = one foot  
 ninety six and one quarter inch = one foot  
 ninety six and one half inch = one foot  
 ninety six and three quarters inch = one foot  
 ninety seven inches = one foot  
 ninety seven and one eighth inch = one foot  
 ninety seven and one quarter inch = one foot  
 ninety seven and one half inch = one foot  
 ninety seven and three quarters inch = one foot  
 ninety eight inches = one foot  
 ninety eight and one eighth inch = one foot  
 ninety eight and one quarter inch = one foot  
 ninety eight and one half inch = one foot  
 ninety eight and three quarters inch = one foot  
 ninety nine inches = one foot  
 ninety nine and one eighth inch = one foot  
 ninety nine and one quarter inch = one foot  
 ninety nine and one half inch = one foot  
 ninety nine and three quarters inch = one foot  
 one hundred inches = one foot



**Scope of Work: Connect to Existing Piping and Install New Piping and New Sprinklers for Remodel Areas as Necessary. Provide New Piping for Remodel/New Addition - to be tied-into Existing Mains as noted. Maintain Zone Boundaries as Noted. Final Sprinkler Locations to be determined based on Final RCP. See AS702 for Ceiling Heights. See Architectural Phasing Plan for Phasing Information. Coordinate New Sprinkler Piping with Mechanical/Electrical Equipment.**

**SYMBOL LEGEND**

	New Piping
	Existing Piping
	New Quick Response Recessed Pendant Sprinkler
	New Residential Sprinkler
	Existing to Remain AS-IS, Except as Noted

**SHEET F102 KEYED NOTES**

	Omit Sprinklers in Ceiling Pocket per NFPA 13, 2010 Edition, 8.6.7
	Tie in Existing Stairwell Sprinkler Piping to New Piping as Necessary
	Tie into Existing Main to Supply New Piping and Sprinklers for Remodel/New Addition

**SPRINKLER HAZARD CLASSIFICATIONS**

	Light Hazard **
	Ordinary Hazard Group 1
	Ordinary Hazard Group 2

\* Refer to Specification Section 211000 for Specific Requirements  
 \*\* Rooms without designation shall also be considered Light Hazard unless noted otherwise

**1** Second Floor Fire Protection Plan  
**F102** SCALE: 1/8" = 1'-0"  
 North

No	REVISION	DATE

**SUMMIT**  
 FIRE CONSULTING  
 CODES, FIRE, LIFE SAFETY

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LEWIS E. ANDERSON, PE  
 REG. NO. MN 46952  
 DATE: 12-20-2013

**DRAWING TITLE**  
 SECOND FLOOR FIRE PROTECTION PLAN

**PROJECT TITLE**  
 RECONFIGURE/EXPAND BUILDINGS 28 & 9 FOR RESIDENTIAL REHABILITATION TREATMENT PROGRAM

**DATE**  
 12.20.13

**PLANT SCALE**  
 AS NOTED

**PROJECT NO.**  
 656-12-339

**BUILDING NO.**  
 28

**CHECKED BY**  
 LA

**DRAWN BY**  
 NB

**CAD FILE**

**DRAWING NO.**  
 F102

**St. Cloud VA Health Care System**  
 Brainerd | Montevideo | Alexandria

**100% CD SET**



three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot  
 one eighth inch = one foot

**Scope of Work: Tie into Existing southern Smoke Zone to Provide New Sprinkler Protection throughout New Link. Tie into Existing Building 9 Piping as Necessary. ALL Sprinklers in Area of Work to be New Quick Response, Chrome Recessed Pendants. Final Sprinkler Locations to be determined based on Final RCP.**

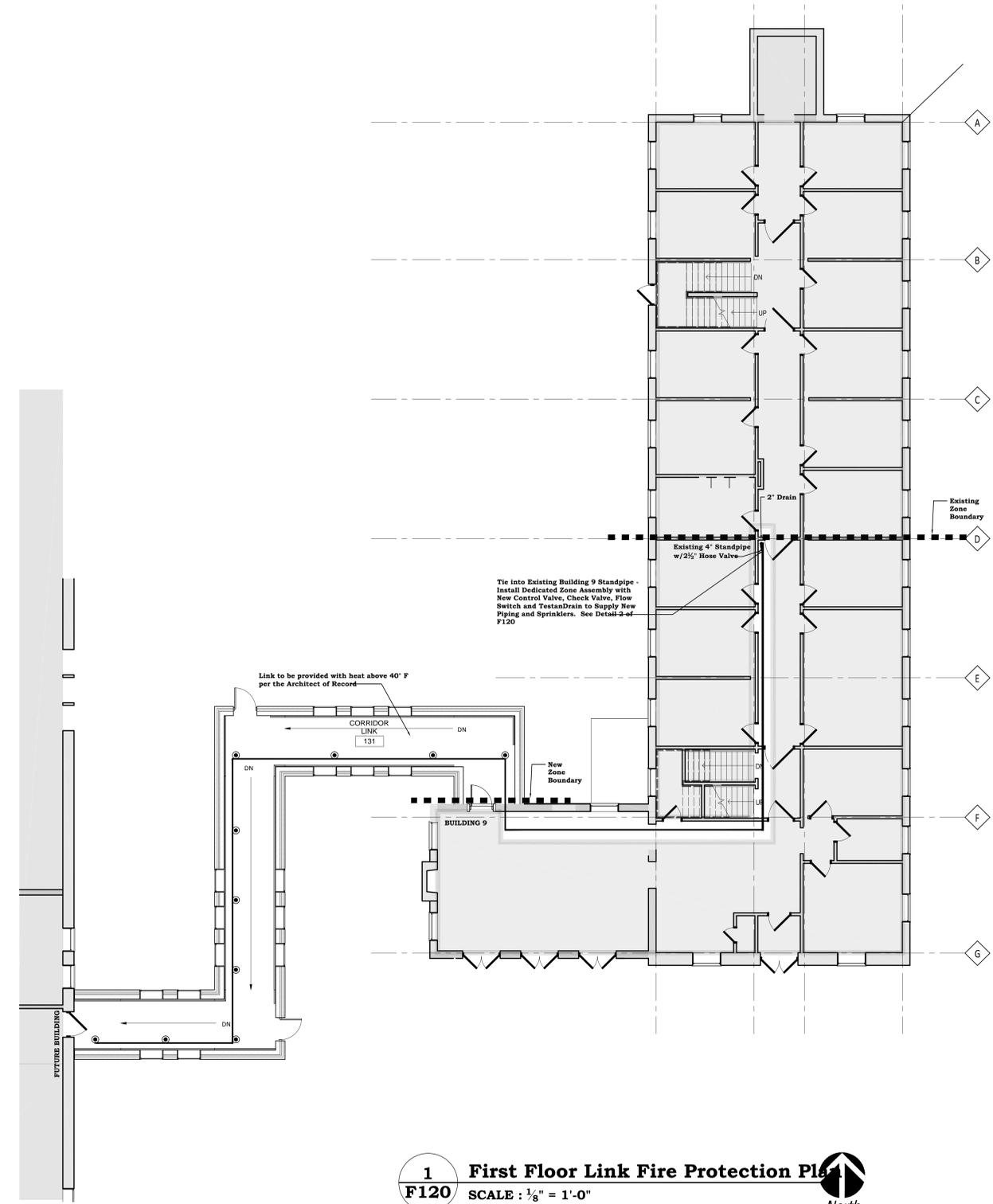
**SYMBOL LEGEND**

	New Piping
	Existing Piping
	New Quick Response Recessed Pendant Sprinkler
	Existing to Remain AS-IS

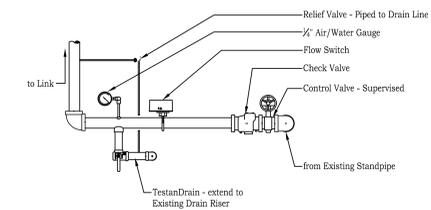
**SPRINKLER HAZARD CLASSIFICATIONS**

	Light Hazard **
	Ordinary Hazard Group 1
	Ordinary Hazard Group 2

\*\* Refer to Specification Section 211000 for Specific Requirements  
 \*\* Rooms without designation shall also be considered Light Hazard unless noted otherwise



**1 First Floor Link Fire Protection Plan**  
**F120** SCALE : 1/8" = 1'-0"  
 North



**2 Link Zone Assembly Detail**  
**F120** SCALE : No Scale

No	REVISION	DATE

VA FORM 08-6231

**SUMMIT**  
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STAMPED:  
 I am hereby certifying that this plan, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Lewis E. Anderson*  
 LEWIS E. ANDERSON, PE REG. NO. 12-20-2013

DRAWING TITLE:  
**FIRST FLOOR LINK FIRE PROTECTION PLAN**

PROJECT TITLE:  
**RECONFIGURE/EXPAND BUILDINGS 28 & 9 FOR RESIDENTIAL REHABILITATION TREATMENT PROGRAM**

DATE: 12.20.13  
 PROJECT NO.: 656-12-339  
 BUILDING No: 9  
 CHECKED BY: LA  
 DRAWN BY: NB  
 CAD FILE:  
 LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303  
 DRAWING NO: **F120**

**St. Cloud VA Health Care System**  
 Brainerd | Montevideo | Alexandria

**100% CD SET**